



**UNITED STATES MARINE CORPS**  
MARINE CORPS AIR STATION  
BOX 99100  
YUMA, ARIZONA 85369-9100

StaO 5750.3A  
3AT  
14 DEC 1998

STATION ORDER 5750.3A

From: Commanding Officer  
To: Distribution List

Subj: HISTORICAL AIRCRAFT/MISSILE ADOPTION PROGRAM

Ref: (a) MCO P5750.1G  
(b) ABO 5750.2A

Encl: (1) Copy of Conditional Loan Agreement  
(2) Historical Aircraft Preservation Instructions  
(3) Missile Preservation Instructions  
(4) Historical Aircraft Adoption Request Format  
(5) Historical Missile Adoption Request Format

1. Purpose. To publish implementing instructions for the Historical Aircraft/Missile Adoption Program for the historical aircraft/missiles assigned to Marine Corps Air Station Yuma, per references (a) and (b).

2. Cancellation. Station Order 5750.3

3. Background

a. It is the intention of this Air Station to display a limited number of historical aircraft/missiles to help preserve Marine Corps aviation history and tradition, as well as the history and tradition of the units which flew these aircraft and fired these missiles, and to continue our significant contributions to our station's beautification program.

b. The aircraft displayed at MCAS Yuma's main gate and the missiles displayed at MCAS Yuma's main gate represent the types of historical aircraft/missiles that were either home based here, or were flown/fired by units that are now aboard.

c. In order to ensure that the aircraft/missiles are adequately maintained, tenant unit participation in the historical aircraft/missile adoption program is required.

4. Action

a. Station Historical Aircraft Officer

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(1) Maintain staff cognizance of the historical aircraft/missiles assigned to the Air Station and the Historical Aircraft/Missile Adoption Program.

(2) Ensure the physical security of the historical aircraft/missiles in the event of severe weather conditions to prevent unnecessary damage, with the assistance of Facilities Management and the adopting squadron.

(3) Conduct periodic inspections of historical aircraft. Notify the Marine Corps Air Bases Western Area (MCABWA) Assistant Chief of Staff (AC/S), G-4, of any significant discrepancies/damage.

(4) Submit all applicable correspondence to the United States Marine Corps Air-Ground Museum via Commander, Marine Corps Air Bases Western Area (COMCABWEST) (Attn: G-4).

(5) Maintain history, loan agreements per enclosure (1), preservation instructions, enclosures (2) and (3), checklists and current photographs on historical aircraft/missiles displayed on the station and the Cannon Air Defense Complex site, and provide an information package to the adopting squadron at the time of adoption to include points of contact, copy of the loan agreement, preservation instructions and the adoption certificate.

(6) Present a plaque to the adopting squadron for display in the squadron area for the period of adoption. Install a shadowbox sign at the historical aircraft/missile site identifying the squadron/battalion that has adopted the aircraft/missile and displaying a copy of the adoption certificate.

(7) Ensure all historical items are washed annually with the assistance of the Station Fire Department, Facilities Management and the adopting squadron.

b. Marine Aircraft Group-13 Commanding Officer

(1) Assign the Group Historical Officer the duties as the Aircraft Historical Officer.

(2) Submit adoption requests in the format outlined in enclosure (4) via the chain of command to COMCABWEST (Attn: G-4) for each of the historical aircraft aboard MCAS Yuma.

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c. Marine Aircraft Group-13 Historical Officer

(1) Display knowledge of, and put into practice, the regulations of references (a) and (b).

(2) Maintain a turnover file that contains the following for each historical aircraft: a history of the aircraft, a copy of the loan agreement, the adoption certificate, preservation instructions, and current black and white and color photographs.

(3) Provide the necessary manpower/assets to maintain the adopted historical aircraft in good condition per enclosures (1) and (2).

(4) Ensure all historical aircraft are washed annually with the assistance of the Station Fire Department and Facilities Management.

(5) Notify the Commanding Officer, MCAS Yuma, via the Station Historical Officer, of discrepancies/damage to the aircraft, (e.g., vandalism, severe weather effects, rodent damage, etc.)

d. Facilities Management. The Facilities Management Officer will provide a high ranger and a high ranger operator when historical aircraft are scheduled to be washed.

e. Station Fire Department. The Station Fire Department will provide fire hoses/equipment when historical aircraft are scheduled to be washed.

f. Marine Air Control Squadron One Commanding Officer

(1) Assign the Squadron Historical Officer the duties as the target missile systems historical officer.

(2) Submit adoption requests in the format outlined in enclosure (5) to the Commanding Officer, MCAS Yuma (Attn: Station Historical Officer) for the Hawk missiles displayed at the MCAS Yuma main gate the Cannon Air Defense Complex.

g. Marine Air Control Squadron One Historical Officer

(1) Display knowledge of, and put into practice, the regulations of reference (a).

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e. All gasoline tanks, fuel storage tanks, oil tanks, fuel lines, and hydraulic systems must be checked to ensure they are safe. This action should normally have been accomplished during the decommissioning of the aircraft, but an additional check must be made prior to the aircraft being set up for display.

f. Care must be taken that magnesium surfaces are protected against contact with phosphoric acid or metal brightening agents used on aluminum surfaces.

#### Maintenance

9. The borrower agrees to clean and brighten all aluminum surfaces periodically using a phosphoric acid-type cleaning and brightening agent; to conduct a complete annual cleaning of the property as a minimum, with intermediate cleaning as required; to coat the cleaned surfaces with a liberal application of hard wax between cleaning and brightening operations; to clean all Plexiglas surfaces with non-abrasive, non-ammonia based agents to prevent scratching and crazing (cracking), and to avoid exposure to severe extremes in temperature and/or sunlight to prevent crazing and/or accelerated deterioration of the Plexiglas.

10. The borrower agrees to protect all aircraft aluminum landing gear parts, except the highly polished surfaces that work within the shock absorbers and strut sleeves, with aluminum paint. The polished areas of the working parts must be wiped clean with a light coating of protective lubricant often enough to prevent rust and corrosion.

11. The borrower agrees to clean painted or magnesium surfaces using alkali-base detergents (e.g., trisodium phosphate). Care must be taken that magnesium surfaces are protected against contact with phosphoric acid or metal brightening agents used on aluminum surfaces.

12. The borrower agrees to repaint painted aircraft periodically to maintain an acceptable appearance. To ensure the correctness of the authorized Military Specification (MILSPEC) paint and colors to be used, contact the Head of Restoration, Marine Corps Air-Ground Museum at AC(703) 640-3111 or autovon 278-3111. It is recommended that sufficient color photographs of the aircraft be taken to serve as a reference when repainting is required.

ENCLOSURE (1)

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### Markings and Insignia

13. The borrower agrees to maintain all insignia, markings, stenciling, and emblems in their original position, form, and color as approved by the Marine Corps Air-Ground Museum; and understands that improper, unauthorized and/or misleading marks of any type or kind are prohibited and must not be placed on aircraft. The aircraft's Navy Bureau number (BuNo) or Air Force Serial number, as may apply, should be recorded for future identification purposes should the need arise.

### Alterations

14. The borrower agrees not to alter or modify the property without the prior written approval of the lender; nor present the property in any way that its appearance or use discredits the lender.

### Protection of Property

15. The borrower agrees to protect personel, through the loaned property from vandalism and access by unauthorized personel through the use of fences, rails, or similar devices to include, but not limited to constant and adequate protection from the hazards of acid rain, fire, insects, vermin, dirt, and extremes in temperatures, humidity, and sunlight.

### Certification and Renewal

16. The borrower agrees to retain the property on display throughout the period of the loan; to provide the lender with 33mm color photographs depicting how the loaned property is displayed and to furnish the lender a statement 60 calendar days preceding the termination date of this loan agreement certifying that; (a) the property is still in the possession of the borrower; (b) the property is being displayed in the same manner as depicted by the color photographs; (c) details regarding any changes; and, (d) indicating an intent to renew or not to renew the loan.

### Exchange of Property to Third Party

17. The borrower agrees to use the loaned property only as an exhibit and will not lend to the third parties; lease, rent, nor exchange the property in part or whole without the prior written approval of the lender.

ENCLOSURE (1)

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### Liability of the Borrower

18. The borrower agrees to indemnify, hold harmless, and defend the lender against all claims, actions, judgments, costs, and attorney's fees arising out of or in any manner predicated upon personal injury, death, or property damage caused by the possession or use of the loaned property.

### Disposition

19. Title to the loaned property is retained by the lender. The borrower agrees not to transfer, dispose of or use the loaned property as collateral in any financial arrangements. Any attempted disposition of the loaned property by the borrower without prior written approval of the lender will automatically revoke this agreement and the lender may repossess the property wherein the borrower shall bear all expenses incurred by the lender in retrieving and repossessing the property.

### Access to Records and Facilities

20. The borrower agrees to allow authorized Marine Corps Air-Ground Museum and/or Headquarters Marine Corps representatives access to the borrower's records and facilities to assure the accuracy of the information concerning the loaned property and compliance with the terms of this agreement.

### Return of Loaned Property

21. The borrower agrees to return the loaned property, at no expense to the lender, within 30 calendar days, upon termination of this agreement or earlier if it is determined that the property is no longer desired.

### Failure of Conditions

22. The borrower's failure to observe any of the conditions of this agreement at anytime shall be sufficient cause for the lender to repossess the loaned property. The borrower shall bear all expenses including but not limited to preparation, handling, maintenance, and freight in the event the lender must repossess the loaned property.

ENCLOSURE (1)

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## HISTORICAL AIRCRAFT PRESERVATION INSTRUCTIONS

### ENGINE

1. Drain the oil.
2. Pull oil screens to drain oil and then replace screens.
3. Drain oil from sump.
4. Remove spark plugs.
5. Drain oil coolers and purge the lines with nitrogen (if possible).
6. Rotate the prop and spray CRC Soft Seal (or equivalent) into cylinders.

### FUEL TANK

1. Drain tank and purge the lines.
2. Pull fuel screen to drain tank.
3. If it has fuel cells, lubricate them with light (20-30 weight) engine oil (may be sprayed on the fuel cells).
4. Make sure the fuel cap has a good seal to prevent water from getting into the tank.

### HYDRAULICS

1. Drain the system.
2. Bleed pressure off the accumulator.

### MISCELLANEOUS

1. Disarm fire extinguisher system.
2. Place gustlocks on ailerons, rudder, and elevators.
3. Plug all openings, i.e., air intakes, exhaust pipes, etc., in order to keep out birds, insects and small animals. This can be done with one of the following methods:
  - a. Fine wire mesh screen.
  - b. Wooden or plastic shipping plugs.
  - c. Spray Styrofoam.

Point of contact for further technical information is the Restoration Department at DSN 278-3111.

ENCLOSURE (2)

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# MISSILE PRESERVATION INSTRUCTIONS

CLEANING: Surface dirt should be removed from all exterior surfaces of the missile. Use a soft, clean cloth and mild soap and water to clean the display missiles.

SPOT PAINTING: Small areas of damaged paint must be repaired by cleaning the area and spot painting. Remove corrosion or damaged paint using 240 abrasive grit. Blend the edges of cleaned area into surrounding area and polish area repaired with metallic wood, NSN 5350-00-286-4851. Spot paint with sand color, NSN 8010-00-111-7988.

INFORMATION: Call 341-2818 for additional information and technical manuals. Refer to TM 9-1410-530-14 for maintenance and TM 9-1450-500-10 for procedures for transfer of missiles.

INSPECTION: Inspect for paint and corrosion damage semi-annually.

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HISTORICAL AIRCRAFT ADOPTION REQUEST FORMAT

From: Commanding Officer, Marine Corps Air Station, Yuma  
To: Commander, Marine Corps Air Bases Western Area  
Via: Station Historical Officer

Subj: HISTORICAL AIRCRAFT ADOPTION REQUEST

Ref: (a) ABO 5750.2A  
(b) StaO 5750.3A

1. Per references (a) and (b), we request one (TYPE OF AIRCRAFT) for adoption. The historical aircraft officer for this squadron is \_\_\_\_\_, phone number \_\_\_\_\_

COMMANDER'S SIGNATURE  
I. M. COMMANDER

ENCLOSURE (4)

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HISTORICAL MISSILE ADOPTION REQUEST FORM

From: Commanding Officer, Marine Air Control Squadron One  
To: Commanding Officer, Marine Corps Air Station, Yuma  
(Attn: Station Historical Officer)

Subj: HISTORICAL MISSILE ADOPTION REQUEST

Ref: (a) StaO 5750.3A

1. Per the reference, I request # missiles for adoption. The historical officer for this squadron is \_\_\_\_\_, phone number \_\_\_\_\_.

\_\_\_\_\_  
(Commander's signature)  
I. M. COMMANDER